



Australian Government

Assessment Requirements for DEFWDV016 Perform underwater rigging work

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the DEF Defence Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- analysing constraints of object to be lifted to determine technique
- applying relevant legislation, standards, and organisational policies and procedures
- applying underwater risk control measures and work plan requirements
- calculating load parameters
- conducting one vertical lift to the surface with mechanical devices
- constructing rigs including:
 - assembling equipment to ensure load can be lifted with available equipment
- determining load capacity of components
- developing underwater rigging work plan
- planning underwater rigging work
- preparing accurate reports and required documentation
- rigging load within safe lifting weight limits.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- determination of mass of submerged objects
- dive equipment
- dive physics
- dive physiology and medicine including:
 - heat and cold illnesses
 - compression illnesses
 - decompression illnesses
- diving descent and ascent techniques
- equipment inspection and checking specifications
- general diving safety awareness including:
 - diving in harbours

- diving in tidal waters, currents and tides
- diving on and/or near a ship's bottom
- lost/separated
- entrapment/foul lines
- marine animal threats
- pollution/weeds
- working in confined spaces
- lifting and rigging equipment calculations, techniques and specifications
- oceanography
- relevant legislation, standards, and organisational policies and procedures
- relevant safe lifting weight limits
- relevant risk mitigation organisational procedures including:
 - relevant marine hazards and risk control measures
 - relevant rigging workplace hazards.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, lifting equipment and personal protective equipment currently used in industry
- ocean with a range of oceanic, diurnal and nocturnal environments
- applicable documentation including organisational procedures, regulations, industry standards, codes of practice and operation manuals.

When practicable, assessment should relate to the diver's vocational focus.

Links

Companion Volume -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>

